

# Translation

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

518031

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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43 *bis*.1)

Date of mailing

(day/month/year) 30 MAR 2006 (30.03.2006)

Applicant's or agent's file reference

7510163-SUN

FOR FURTHER ACTION

see paragraph 2 below

International application No.

PCT/CN2005/002257

International filing date (day/month/year)

20.Dec.2005(20.12.2005)

Priority date (day/month/year)

22.Apr.2005(22.04.2005)

International Patent Classification (IPC) or both national classification and IPC

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Applicant

LI, Jin

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

#### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN

The State Intellectual Property Office, the  
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Haidian District, Beijing, China 100088  
Facsimile No. 86-10-62019451

Date of completion of this opinion

27.Feb.2006(27.02.2006)

Authorized officer

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Form PCT/ISA/237(cover sheet)(April 2005)

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CN2005/002257

**Box No. I Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed  
☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation  
furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper  
☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed  
☐ filed together with the international application in electronic form  
☐ furnished subsequently to this Authority for the purposes of search

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/CN2005/002257

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims 1-9	YES
	Claims NONE	NO
Inventive step (IS)	Claims NONE	YES
	Claims 1-9	NO
Industrial applicability (IA)	Claims 1-9	YES
	Claims NONE	NO

2. Citations and explanations

Documents of particular relevance cited in the International Search Report:

D1: CN1055349C; D2: CN2297797Y!./

1. Novelty

The subject-matter of the claims 1-9 are not disclosed in D1,D2, so the claims 1-9 are novel under PCT Article 33(2).

2. Inventive Step

1) Claim 1: D1 is considered as the most relevant state of the art and discloses(see the description: page 3 line 6- page 7 line 6, figure) the following features: a non-filament closed ring type gas discharge lamp 1, which is set a through hole for mounting a ferrite core 2 on its closed cavum lamp body and coated a fluorescent coating inside the cavum lamp body. Thus it can be seen that D1 has already disclosed the most features of the claim 1, and their difference is that D1 does not disclose the cavum lamp body can be aerated/ deaerated. But D2 (see the description: page 2 line 18- page 3 line 5, figure 1) has already disclosed the said feature: the cavum lamp body 5 includes an aeration/ deaeration pipe 11, which can solve the same problem as that to be really solved by the present invention. So the subject-matter of the independent claim 1 obtained by combination of D1,D2, to the skilled persons in the art, is not considered to involve an inventive step under PCT Article 33(3).

2) The additional features of the dependent claims 2-4,9 are already disclosed in D2(Fig.1): a little glass tube 12 and an aeration/ deaeration pipe 11 communicated with the lamp body cavum 5;

The additional features of the dependent claims 5-8 are respectively simple changes of the number and location of the through hole and the shape of the lamp body, but, to the skilled persons in the art, these should be easily excogitative and not required of the creative work. So the claims 2-9 are not considered to involve an inventive step under PCT Article 33(3).

3. Industrial Applicability

The claims 1-9 are industrially applicable under PCT Article 33(4) because the magnetic energy bulb in claims 1-9 can be made and used in the industry.

**WRITTEN OPINION OF THE  
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International application No.  
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**Box No. VIII      Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

In the invention, instead of the conventional bulb with filament, the fluorescent power inside the magnetic energy bulb is activated by a magnetic body 4 through a through hole 2 on the lamp body to make the magnetic energy bulb illuminate and light, consequently to solve the technical problem of improvement in service life. But the essential technical feature "the magnetic body 4" for solving the technical problem is not mentioned in the claim 1, so the claim 1 is not complied with PCT Article 6.